

Carmen

High School of
Science & Technology

“Graduating students as critical thinkers and self-directed learners who are prepared for success in college, meaningful careers, community involvement and family life.”



Demographics

- 90% eligible for free and reduced lunch
- 98% Hispanic
- 25% English Language Learners
- 35% of parents are high school graduates

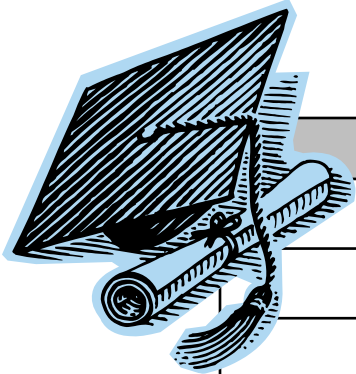
Program Components

- Academic Program that requires 4 years each of college prep English, Mathematics, Science, History/Social Studies, and Spanish (Based on ACT Research)
- Emphasis on science and engineering
- Student Internship Program
- 8 Abilities (e.g., communication, analysis, problem solving, valuing) adapted from Alverno College

Program Components (cont.)

- After School Academic Program
- Mid-Year Inter-Session and Summer School Academic Programs (enrichment and remedial)
- Bridge to High School Program
- Individual Learning Plans with academic, financial and personal SMART Goals
- Community Service – 20 hours annually

Graduation Requirements



Subject Area
ENGLISH
SOCIAL STUDIES
MATHEMATICS
SCIENCE
SPANISH
HEALTH
PHYSICAL EDUCATION
FINE ARTS
ENGINEERING
COMMUNITY SERVICE EXPERIENCE
TOTAL

Credits Required
5 CREDITS
4 CREDITS
4 CREDITS
4 CREDITS
3 CREDITS
NOT REQUIRED
NOT REQUIRED
1 CREDIT
ENCOURAGED
20 hours per year
20 CREDITS REQUIRED

	Carmen	Northwest Secondary	MPS
ACT Composite Score (April 2012) (Juniors Only)*	18.2	13.5	15.8
Average Daily Attendance Rate (%) (2011-2012)	95.4	78.0	80.7
Mobility Rate (%) (2011-2012)	2.5	18.5	23.2
Graduation Rate 4-Year Cohort (%) (2010-2011)	77.0	67.9	62.8
Class of 2011 Graduates Who Attended College in 2011-2012 (%)**	93	n/a	n/a**
Students Qualified for Free or Reduced Lunch (%) (2011-2012)	89.4	90.0	82.8

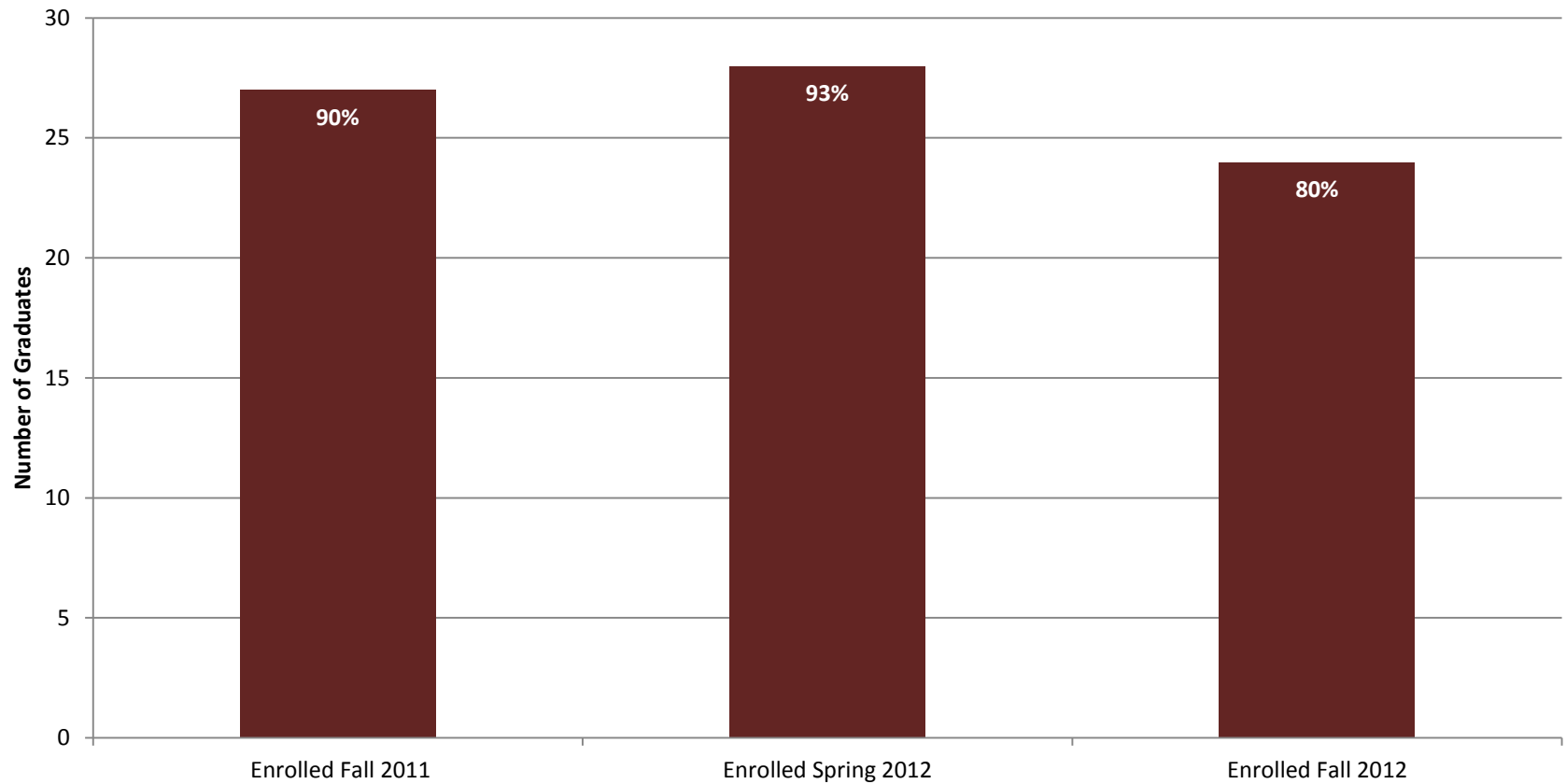
NOTES: All data is from MPS data warehouse except for the Carmen college participation rate.

Fall ACT Scores for Carmen Seniors: 2011-2012

	English	Math	Reading	Science	Composite
October 2011	17.3	18.0	17.1	18.2	17.7
October 2012	18.4	18.9	18.8	20.2	19.3

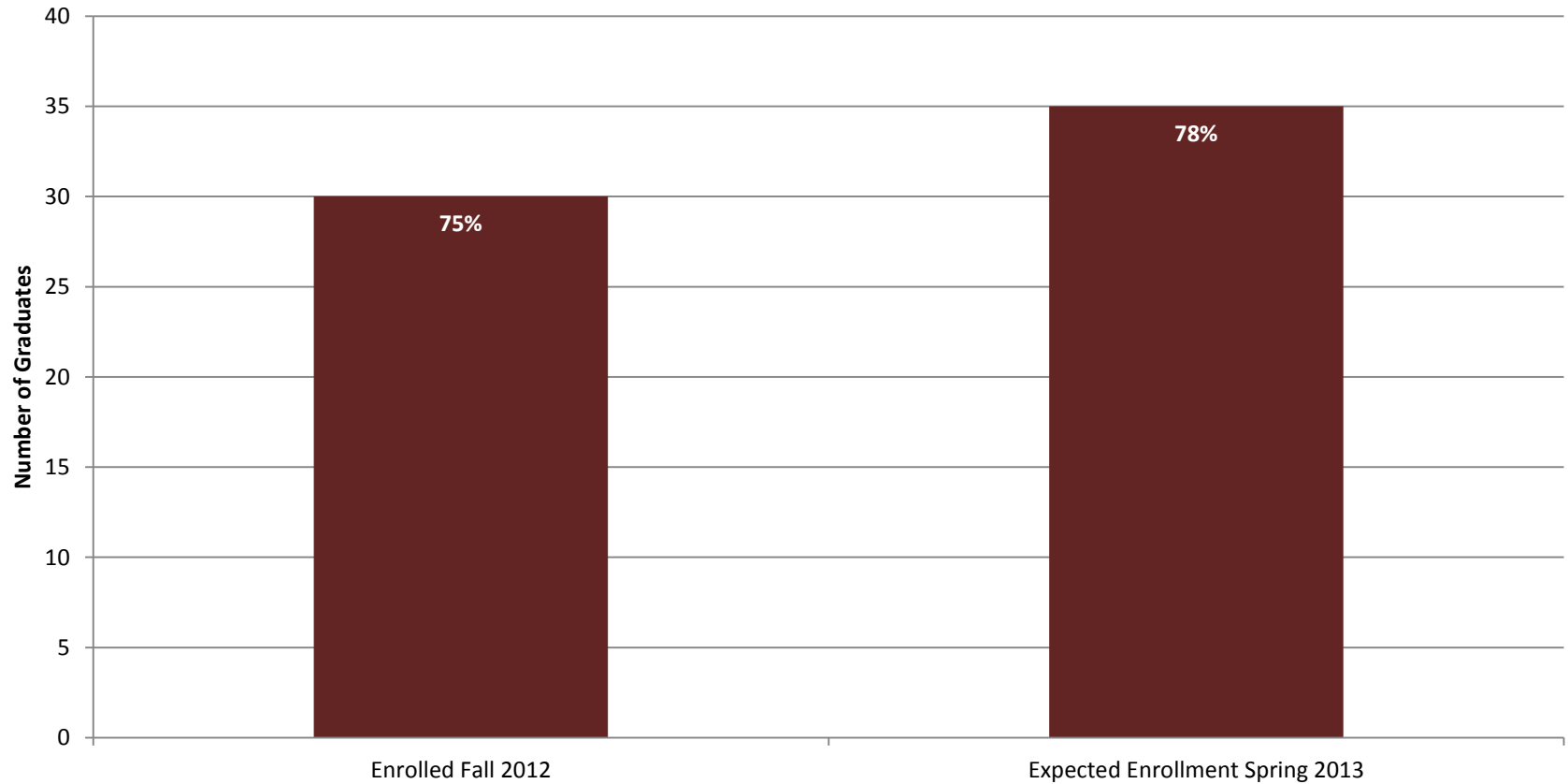
Class of 2011 Enrollment

Class of 2011 College Enrollment



Class of 2012 Enrollment

Class of 2012 College Enrollment



	Average Overall Growth			
	Class of 2011 (9th-12th grade)	Class of 2012 (9th-12th grade)	Class of 2013 (9th-12th grade)	Nat'l (8th-12th grade)
English	4.6	4	5.1	4.7
Math	2	4	4.8	5.6
Reading	3.8	3.5	5	4.4
Science	4.1	2.6	4.4	3.3

Notes:

1. Growth trends published for Nat'l are Cohorts taking Explore in 8th, PLAN in 10th and ACT in 11th or 12th, mostly 12th. Carmen Cohorts are taking Explore in 9th, PLAN in 10th and most recent ACT in 11th or most recent 12th.
2. Data only includes students who took all 3 tests, so starting Explores are not the average of all who started, just those who stayed, so it's higher.
3. College Readiness Benchmarks used for Carmen are 1 pt higher in Explore year then for Nat'l data- 8th grade.

College Readiness Benchmarks

	Explore	PLAN	ACT
English	14	15	18
Math	18	19	22
Reading	16	17	21
Science	20	21	24

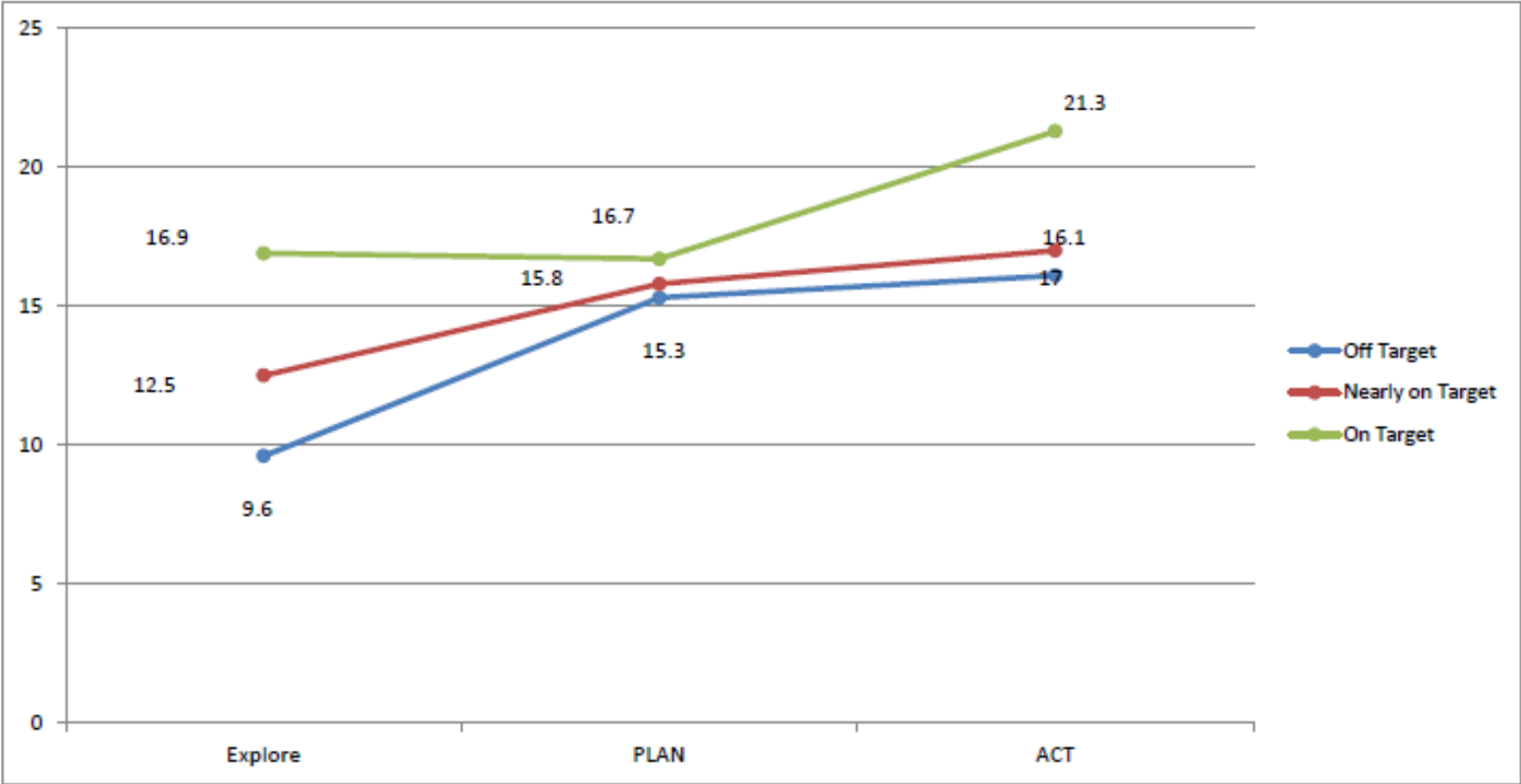
ACT College Readiness Benchmarks

ACT SUBJECT	BENCHMARK SCORE	COLLEGE COURSE
English	18	English Comp
Math	22	College Algebra
Reading	21	SS/Humanities
Science	24	Biology

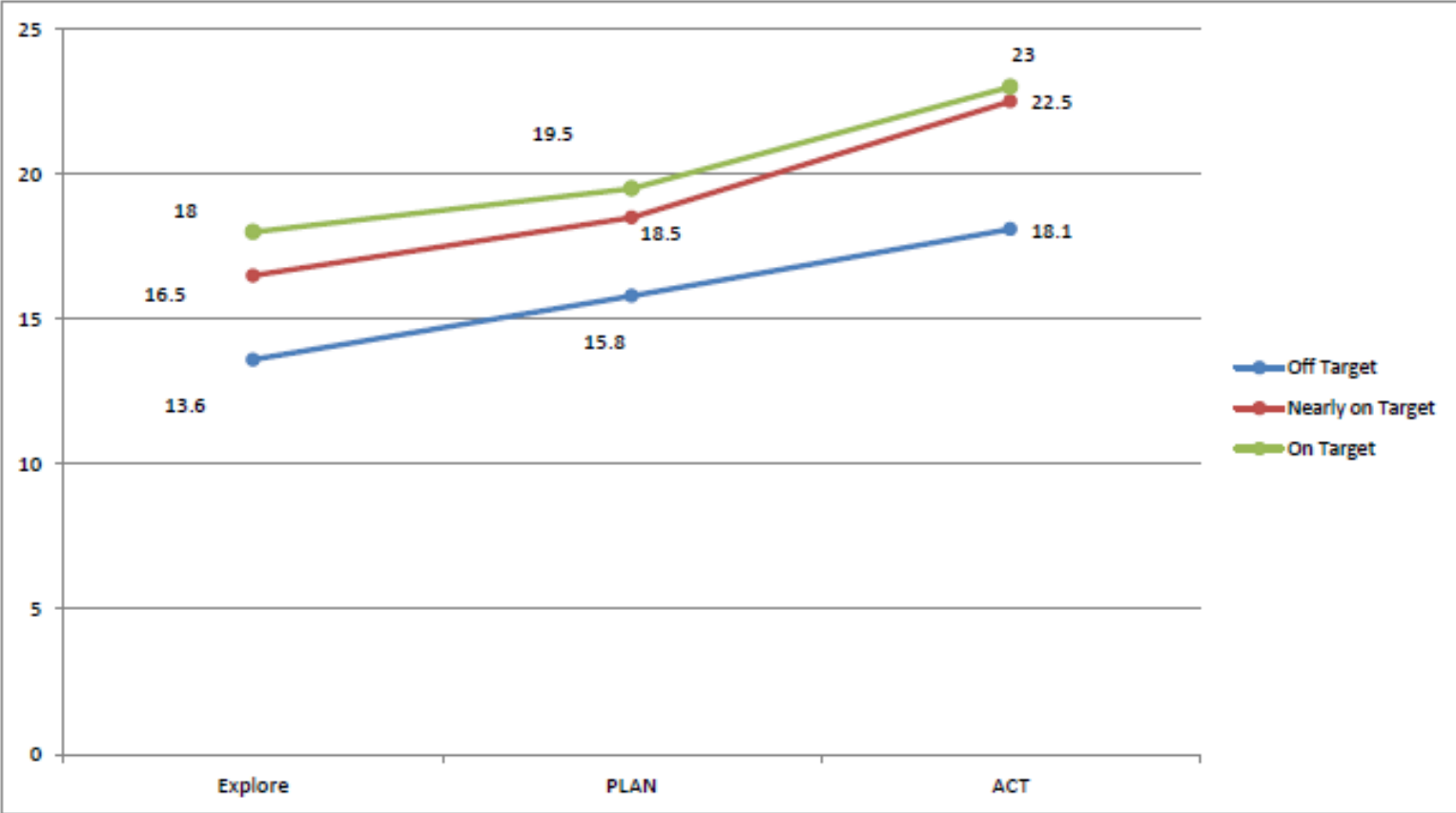
Class of 2013 - College Readiness Benchmark Growth

English

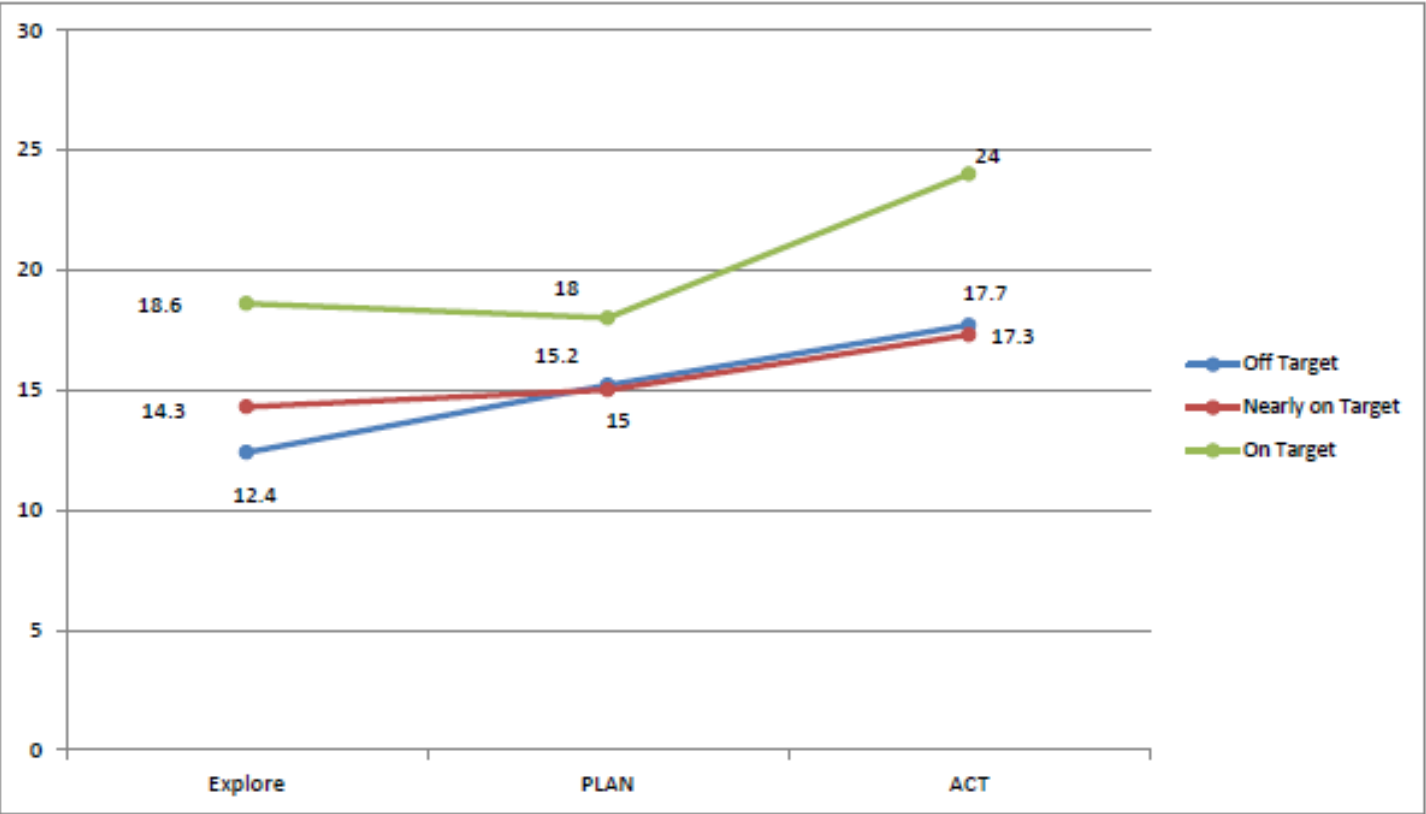
	N=	Explore	PLAN	ACT	Total Growth	
					Carmen 9-12	Nat'l 8-12
Off Target	7	9.6	15.3	16.1	6.5	3.8
Nearly on Target	11	12.5	15.8	17	4.5	3.9
On Target	7	16.9	16.7	21.3	4.4	5



	N=	Explore	PLAN	ACT	Total Growth	
					Carmen 9-12	Nat'l 8-12
Off Target	21	13.6	15.8	18.1	4.5	4
Nearly on Target	2	16.5	18.5	22.5	6	3.5
On Target	2	18	19.5	23	5	5



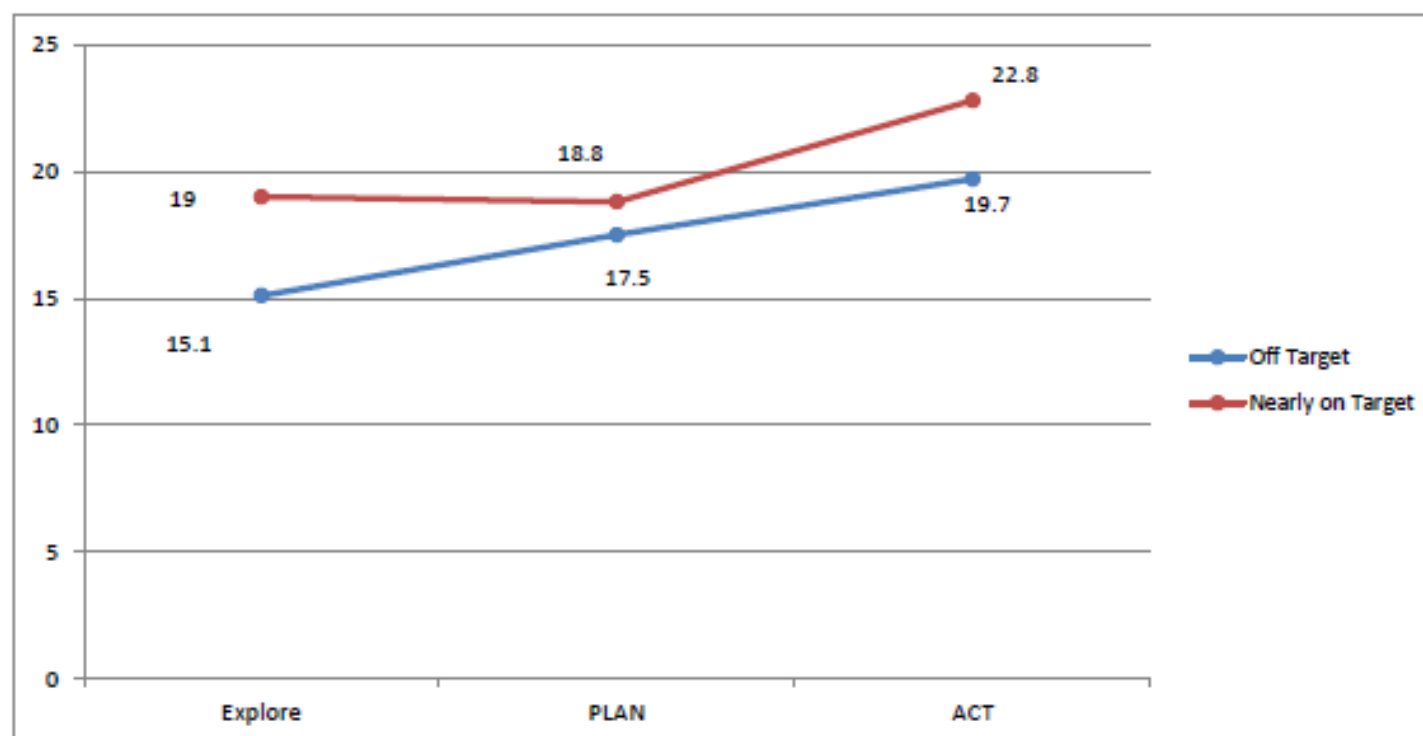
	N=	Explore	PLAN	ACT	Total Growth	
					Carmen 9-12	Nat'l 8-12
Off Target	17	12.4	15.2	17.7	5.3	4.8
Nearly on Target	3	14.3	15	17.3	3	5.3
On Target	5	18.6	18	24	5.4	6.1



Class of 2013 - College Readiness Benchmark Growth

Science

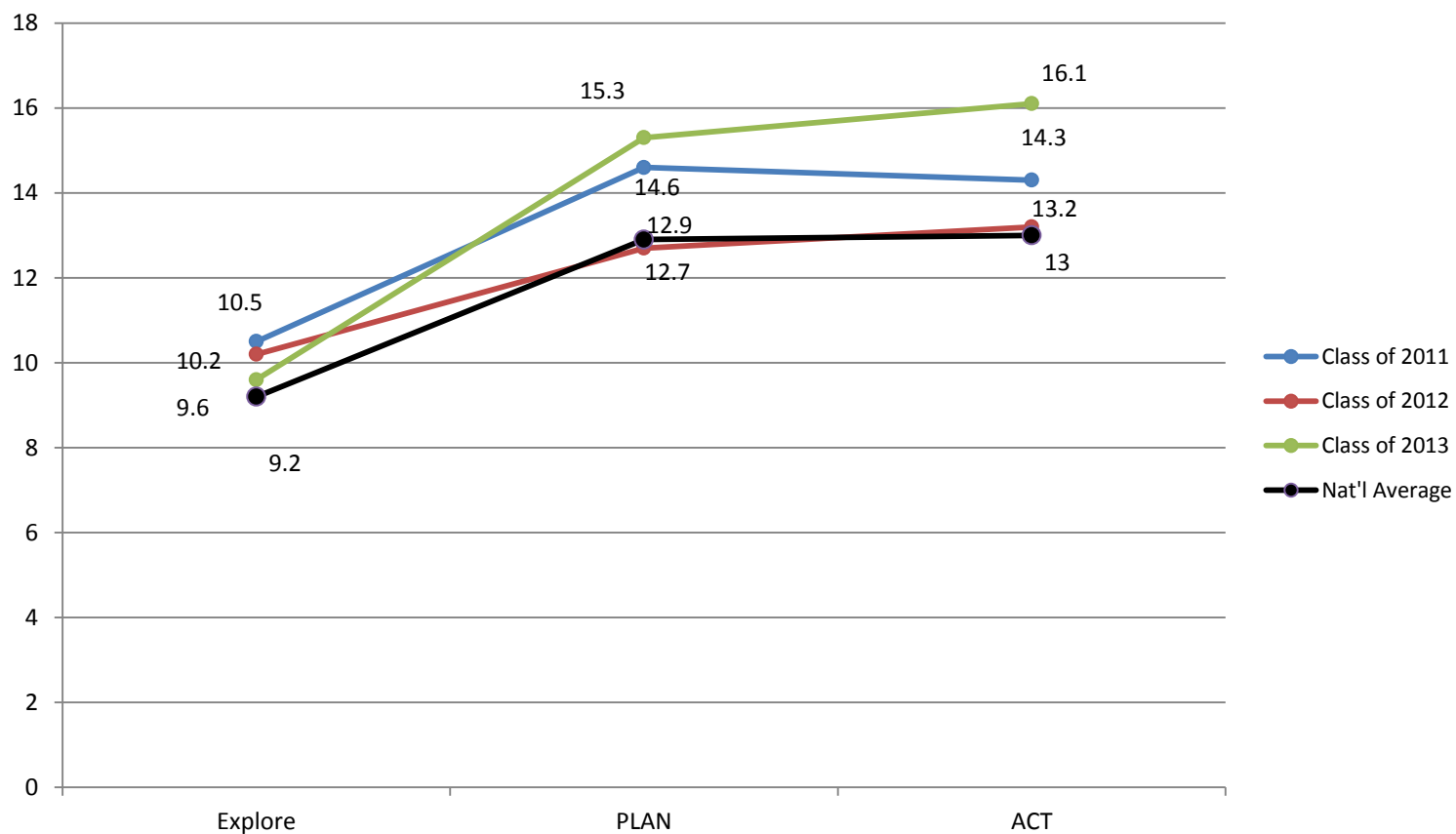
	N=	Explore	PLAN	ACT	Total Growth	
					Carmen 9-12	Nat'l 8-12
Off Target	21	15.1	17.5	19.7	4.6	3
Nearly on Target	4	19	18.8	22.8	3.8	3.7
On Target		N/A	N/A	N/A	N/A	3.9



Off-target students- Class Comparison

English

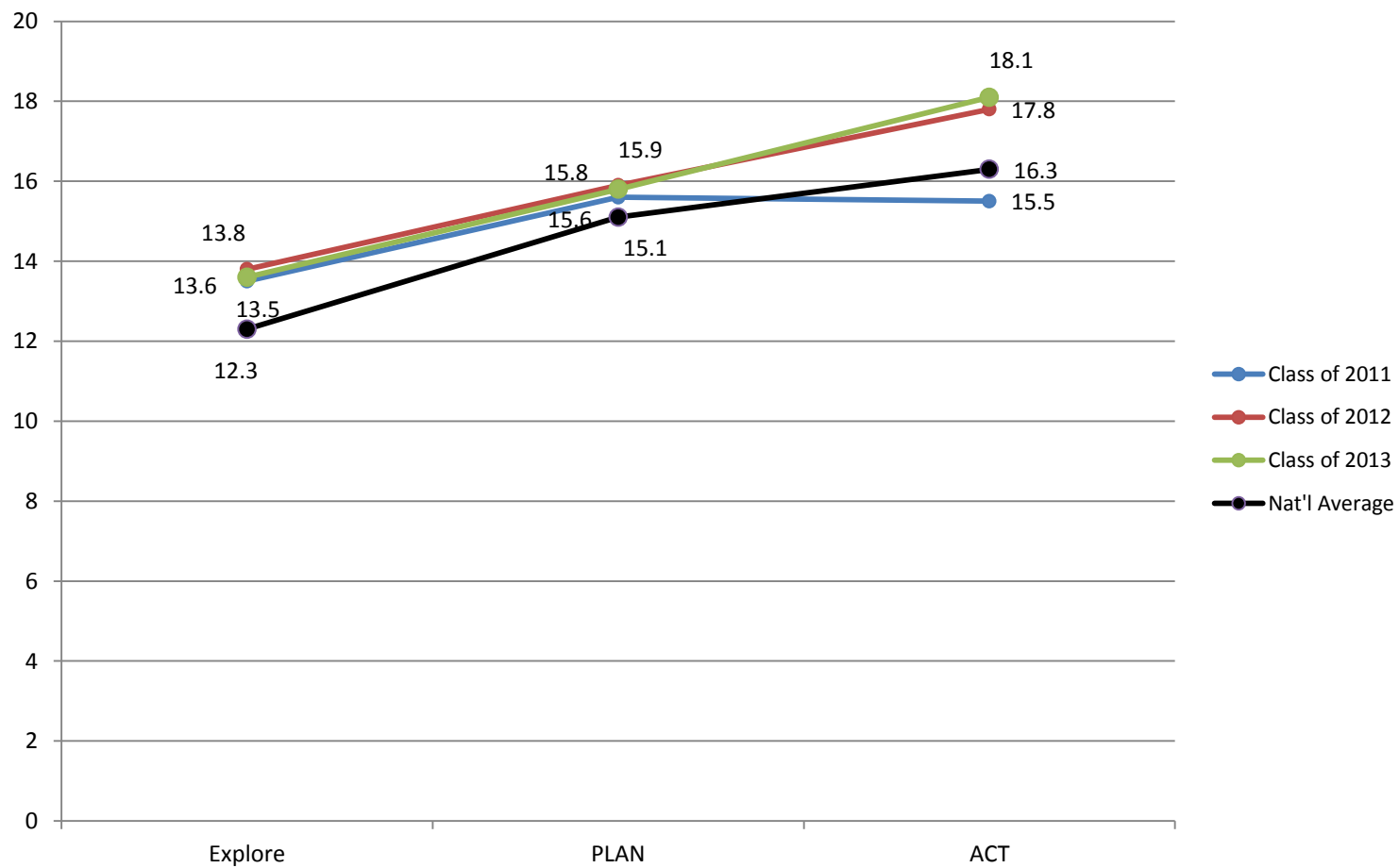
	Explore	PLAN	ACT		Total Growth
Class of 2011	10.5	14.6	14.3		3.8
Class of 2012	10.2	12.7	13.2		3
Class of 2013	9.6	15.3	16.1		6.5
Nat'l Average	9.2	12.9	13		3.8



Off-target students- Class Comparison

Mathematics

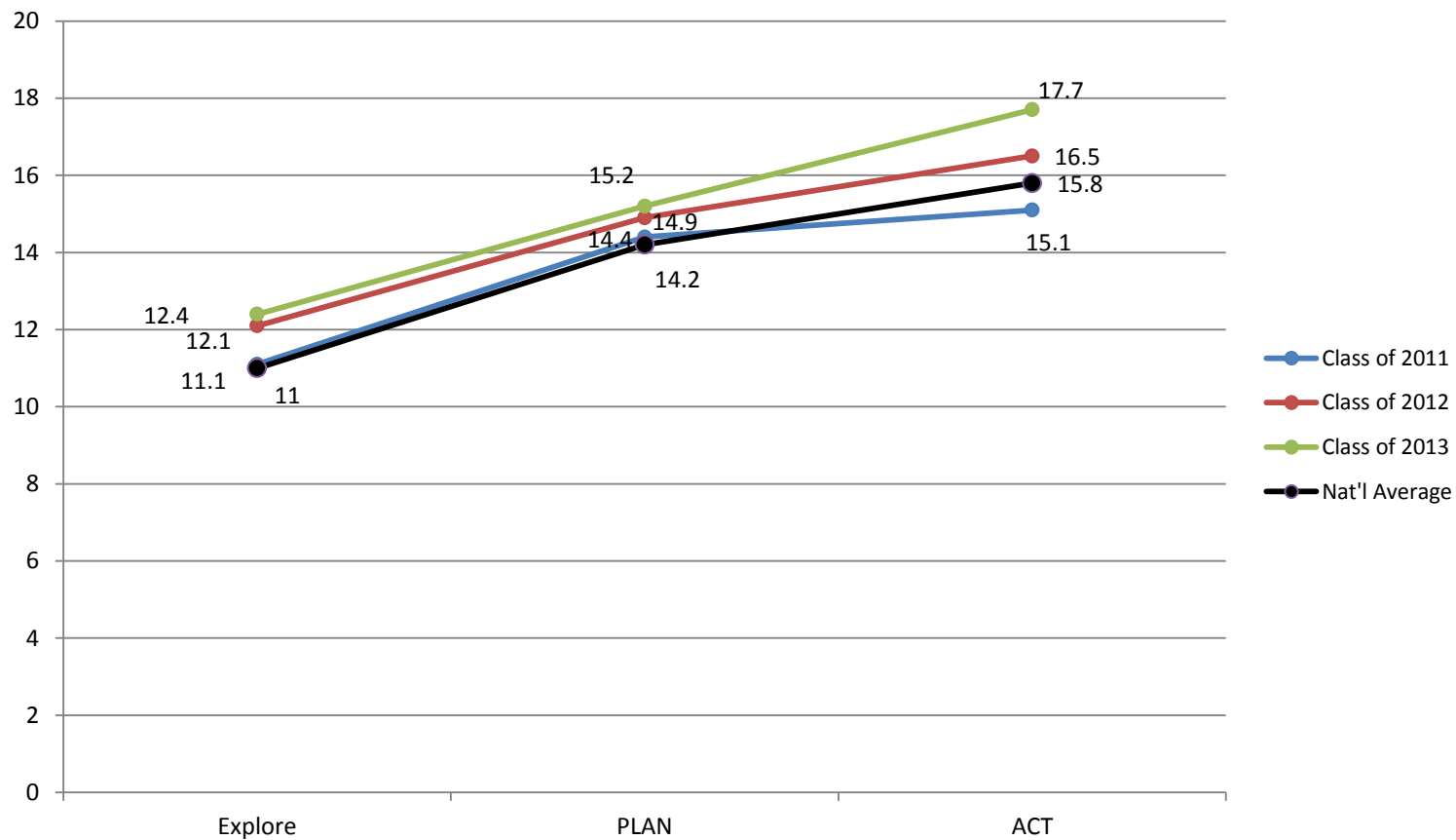
	Explore	PLAN	ACT		Total Growth
Class of 2011	13.5	15.6	15.5		2
Class of 2012	13.8	15.9	17.8		4
Class of 2013	13.6	15.8	18.1		4.5
Nat'l Average	12.3	15.1	16.3		4



Off-target students- Class Comparison

Reading

	Explore	PLAN	ACT		Total Growth
Class of 2011	11.1	14.4	15.1		4
Class of 2012	12.1	14.9	16.5		4.4
Class of 2013	12.4	15.2	17.7		5.3
Nat'l Average	11	14.2	15.8		4.8



Off-target students- Class Comparison

Science

	Explore	PLAN	ACT		Total Growth
Class of 2011	15.6	17.2	18.1		2.5
Class of 2012	15.9	17.1	18.7		2.8
Class of 2013	15.1	17.5	19.7		4.6
Nat'l Average	15.3	17.4	18.3		3

